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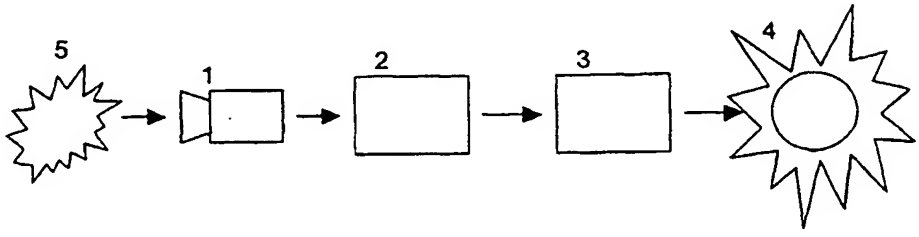
(54) Title: FIRE DETECTION ALGORITHM



Key.

1. is camera, 2 is frame grabber, 3 is processor, 4 is alarm output, 5 is flame

(57) Abstract: A method and apparatus for the detection of flame by entering (S1) a video signal into an algorithm which processes individual pixels in (S2) a frequency band is determined and used as a filter (S3) applies a threshold to create a map of significant movement (S4) applies an awareness map (S5) a number of parameters are calculated to decide whether flame is present in the video images being processed (S6) applies further filtering before indicating an alarm registering the presence of a flame threat.

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